



1999-03

# Naval Postgraduate School Graduation Exercises / Class of March 1999

Naval Postgraduate School (U.S.)

Monterey, California. Naval Postgraduate School

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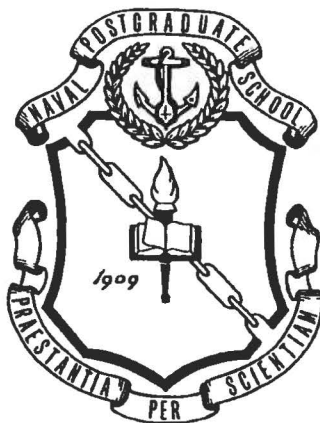
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# NAVAL POSTGRADUATE SCHOOL

REF  
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V.4  
MAR  
1999



## *Graduation Exercises*

*10:30 a.m.  
Thursday  
March 25, 1999*

**NAVAL POSTGRADUATE SCHOOL  
ADMINISTRATION**

**Superintendent  
RADM ROBERT C. CHAPLIN, USN**

**Provost  
DR. RICHARD S. ELSTER**

**Dean of Students and Director of Programs  
CAPT RANDALL J. HESS, USN**

**Dean of Computer and Information Sciences and Operations  
DR. DAN BOGER**

**Dean of Science and Engineering  
DR. RUDY PANHOLZER**

**Dean of Operational and Policy Sciences  
DR. PETER PURDUE**

**Dean of Research  
DR. DAVID NETZER**

**Commanding Officer  
Naval Support Activity, Monterey Bay  
CAPTAIN DEANE K. GIBSON, USN**



**Vice Admiral Patricia Ann Tracey  
Deputy Assistant Secretary of Defense  
for Military Personnel Policy**

Vice Admiral Patricia Ann Tracey, a native of the Bronx, New York, completed Women Officers School and was commissioned as an Ensign in 1970, following graduation from the College of New Rochelle with a Bachelor of Arts degree in Mathematics. She also holds a Master's degree, with distinction, in Operations Research from the Naval Postgraduate School. Her initial assignment was to the Naval Space Surveillance System in Dahlgren, Virginia, where she qualified as a Command Center Officer and Orbital Analyst.

Following a tour on the staff of the Commander in Chief of the Pacific Fleet, she served at the Bureau of Naval Personnel as the Placement Officer for graduate education and service college students.

From 1980 to 1982, Vice Admiral Tracey served as an extended planning analyst in the Systems Analysis Division on the Chief of Naval Operations' staff. She served as Executive Officer of the Naval Recruiting District in Buffalo, New York, until 1984, when she was assigned as a manpower and personnel analyst in the Program Appraisal Division of the Chief of Naval Operations' staff.

Vice Admiral Tracey commanded the Naval Technical Training Center at Treasure Island from 1986 to 1988. She then headed the Enlisted Plans and Community Management Branch on the Chief of Naval Personnel's staff for two years. She assumed command of Naval Station Long Beach, California in 1990. Upon completion of her command tour, Vice Admiral Tracey reported as a Fellow with the Chief of Naval Operations' Strategic Studies Group at the Naval War College. Vice Admiral Tracey was assigned as the Director for Manpower and Personnel, J-1, on the Joint Staff from July 1993 to June 1995. From June 1995 to June 1996 she served as Commander, Naval Training Center, Great Lakes. She assumed the duties of Chief of Naval Education and Training, and Director of Naval Training for the Chief of Naval Operations, 10 July 1998. Vice Admiral Tracey is currently holding the position of Deputy Assistant Secretary of Defense for Military Personnel Policy.

The admiral's personal decorations include the Defense Distinguished Service Medal, three Legion of Merit awards, and three Meritorious Service Medals. Vice Admiral Tracey's husband, Richard Metzger, is a former naval flight officer from Pengilly, Minnesota.

**REAR ADMIRAL ROBERT C. CHAPLIN**  
**Superintendent**  
**Naval Postgraduate School**



Rear Admiral Robert C. Chaplin was born in Fort Knox, Kentucky and graduated from Fort Knox High School. He attended the United States Naval Academy where he received his commission and Bachelor of Science degree upon graduation in 1970.

Admiral Chaplin was designated a naval aviator in January 1972 and reported to NAS Bermuda. In October 1975, he reported to Helicopter Anti-Submarine Squadron Light (HSL) Thirty-two and served on various detachments and as Officer in Charge aboard USS RICHARD L PAGE (FFG-5).

In January 1979, Admiral Chaplin reported to Naval Postgraduate School, Monterey, California and earned a Master of Science degree in Computer Systems Management. He later reported to HSL-36 in Mayport, Florida and served on various detachments as Officer in Charge. In August 1982, he reported to Commander Seabased Anti-Submarine Warfare Wing Atlantic as the Flag Secretary.

In June 1984, Admiral Chaplin assumed duties as Executive Officer for HSL-42, the first East Coast LAMPS MK III Squadron. He took command of the squadron in March 1986. Following this tour, he reported to USS IWO JIMA (LPH 2) as Operations Officer. In September 1988 he served as Commanding Officer for HSL-41, the SH-60 Fleet Replacement Squadron in San Diego, California. After this tour, Admiral Chaplin reported to the Pentagon in Washington, DC. where he worked for the Assistant Chief of Naval Operations Air Warfare as the Special Assistant for the Flying Hour Program.

Rear Admiral Chaplin assumed command of USS INCHON (LPH 12) in September 1991. In June 1993, he assumed command of USS WASP (LHD 1) while the ship was deployed to the Persian Gulf. He participated in Operations RESTORE and CONTINUE HOPE off the coast of Somalia and Operations SUPPORT and UPHOLD DEMOCRACY off the coast of Haiti. After this tour, he was appointed Director, Plans and Policy, U.S. Transportation Command, Scott Air Force Base, Illinois. In July 1996, Rear Admiral Chaplin was promoted to Flag Rank and in November reported as Commander, Amphibious Force, U.S. SEVENTH FLEET. In March 1998 Admiral Chaplin received his second star and became the Superintendent of the Naval Postgraduate School.

Rear Admiral Chaplin's personal awards includes the Defense Superior Service Medal, Legion of Merit (with two Gold Star), the Meritorious Service Medal (with three Gold Stars), Navy Commendation Medal, and various campaign and unit awards.

He and his wife, the former Janice Doult of Dover, Ohio, have two sons, Jason and Jamie, who reside in Kentucky.

**DR. RICHARD S. ELSTER**  
**Provost**  
**Naval Postgraduate School**

Richard Elster was born on 3 December 1939. He attended the University of Minnesota in Minneapolis where he received the degrees of Bachelor of Arts, Master of Arts, and Doctor of Philosophy in Industrial Organizational Psychology.

January of 1969, he joined the faculty of the Naval Postgraduate School. His teaching focused on DoD manpower, personnel and training policies. From 1 July 1975 to 1 July 1978, he was on leave from the Naval Postgraduate School. During that period, he worked in the Office of the Assistant Secretary of Defense (Manpower and Reserve Affairs), and as Senior Scientific Advisor to the Deputy Chief of Naval Operations (Manpower)/Chief of Naval Personnel, Admiral James D. Watkins.

On 1 October 1979, he was promoted to professor in the Department of Administrative Sciences at the Naval Postgraduate School. In July of 1983, he became Chairman of the Department of Administrative Sciences.

During the period of 1984-1988, he served as Deputy Assistant Secretary of the Navy for Manpower. Additionally, he was Acting Assistant Secretary of the Navy (Manpower & Reserve Affairs) during the period 7 April - 28 June 1988.

In 1989, he filled the Chief of Naval Operation's manpower chair at the Naval Postgraduate School. During January-September 1990, he was Deputy Assistant Secretary of Defense for Resource Management and Support. He was named Dean of Instruction at the Naval Postgraduate School in September 1990 where he served in this role until June 1995. On July 1, 1995 he was named Provost/Academic Dean of the Naval Postgraduate School.

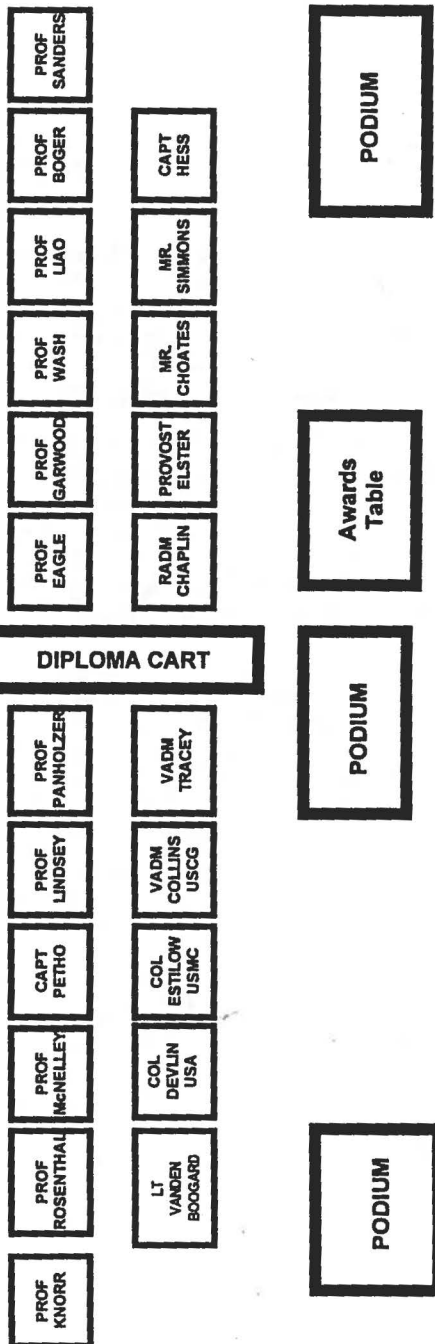




# SECOND ROW - DEPARTMENT HEADS

OR

REPRESENTATIVES



RUNNER

FRONT OF STAGE

## FIRST ROW (Left to Right)

Lieutenant Steven J. Vanden Boogard  
USN, CHC  
Chaplain  
Naval Postgraduate School

Colonel Daniel D. Davlin  
USA

Commandant/Installation Commander  
Defense Language Institute  
Foreign Language Center  
Monterey

Colonel Rex A. Estilow  
USMC

Commanding Officer  
23rd Marine Regiment  
San Bruno

Vice Admiral Thomas H. Collins  
USCG

Commander Coast Guard Pacific Area  
Coast Guard Island  
Alameda

Vice Admiral Patricia Ann Tracey  
USN

Deputy Assistant Secretary of Defense  
for Military Personnel Policy  
Washington D.C.

Rear Admiral Robert C. Chaplin  
USN

Superintendent  
Naval Postgraduate School

Dr. Richard S. Elster  
Provost

Naval Postgraduate School

Mr. Darryl Choates  
Seaside City Council

Mr. Robert Simmons

Vice President, Monterey Peninsula Council  
Navy League

## PLATFORM PARTY

Captain Randall J. Hess  
USN

Dean of Students and  
Director of Programs  
Naval Postgraduate School

## SECOND ROW (Left to Right)

Dr. Jeffrey Knorr  
Department of Electrical and  
Computer Engineering

Dr. Richard Rosenthal  
Department of Operations Research

Dr. Terry R. McNelley  
Department of Mechanical Engineering

Captain Frank Petho, USN  
Department of National Security Affairs

Dr. Gerry Lindsey  
Department of Aeronautical and  
Astronautical Engineering

Dr. Rudolph Panholzer  
Space Systems Academic Group

Dr. James Eagle  
Undersea Warfare Academic Group

Dr. Roland W. Garwood  
Department of Oceanography

Dr. Chuck Wash  
Department of Meteorology

Dr. Shu Liao  
Department of Systems Management

Dr. Dan C. Boger  
Computer Science, Joint C-3 Academic Group,  
and Special Operations Curriculum

Dr. James V. Sanders  
Department of Physics

**THURSDAY - MARCH 25, 1999  
PROGRAM**

Processional .....	The Marshalls
Professor Alfred Cooper .....	Marshall
Professor Sherif Michael .....	Marshall
Professor William R. Gates .....	Marshall
Major Darin James McCloy, USMC .....	Marshall
Invocation* .....	Lieutenant Steven J. Vanden Boogard
Introduction of Speaker .....	Rear Admiral Robert C. Chaplin
Address to Graduates .....	Vice Admiral Patricia Ann Tracey Deputy Assistant Secretary of Defense for Military Personnel Policy
Presentation of Awards .....	Provost
Presentation of Candidates .....	Department Chairm.
Announcement of Degrees .....	Provost
Benediction* .....	Lieutenant Steven J. Vanden Boogard
Recessional	

**Notes:** The Superintendent cordially invites graduates, faculty, and guests to a reception in honor of the graduates in the Barbara McNitt Ballroom at Herrmann Hall immediately following the ceremony.

\*The audience should remain seated except for the events marked with an asterisk.

The audience is requested to hold their applause until the last graduate has crossed the stage.

**CURRICULAR OFFICERS AND ACADEMIC ASSOCIATES**

**Systems Management**

**Curricular Officer - CDR William Platt, USN**

**Assistant Curricular Officer - LT Kristine Davis, USN**

**LT Kevin P. Shaeffer, USN**

**Academic Associates**

Transportation Logistics Management - Professor Don Eaton

Transportation Management - Professor Don Eaton

Acquisition and Contract Management - Professor David Lamm

Systems Acquisition Management - Professor David Lamm

Defense Systems Analysis (DoD Services - Non Navy) -

Professor James Suchan

Defense Systems Management (International) - Professor Roger Evered

Systems Inventory Management - Professor Don Eaton

Resource Planning and Management for International Defense -

Professor Roger Evered

Material Logistics Support Management - Professor Don Eaton

Financial Management - Professor Douglas Moses

Manpower Systems Analysis - Professor George Thomas

Information Technology Management - Professor Carl R. Jones

Leadership Education and Development - Professor Alice Crawford

Shore Installation Management - Professor Don Eaton

**Aerospace Engineering**

**Curricular Officer - CDR Joe Welch, USN**

**Academic Associates**

Aeronautical Engineering - Professor Max Platzer

Aeronautical Engineering Avionics - Professor Max Platzer

**Meteorology and Physical Oceanography**

**Curricular Officer - CDR Jim Hill, USN**

**Academic Associates**

Meteorology - Professor Robert Haney

Oceanography - Professor Mary Batteen

Meteorology and Physical Oceanography - Professor Haney/Professor Batteen

Operational Oceanography - Professor C. S. Chiu

**Undersea/Space/Information Warfare**

**Curricular Officer - CDR Michael McMaster, USN**

**Academic Associates**

Undersea Warfare - Professor James Sanders

Electronic Warfare - Professor David Jenn

Information Warfare - Professor Carl R. Jones

Space Systems Operations - Professor Don Wadsworth

Space Systems Engineering - Professor Oscar Biblarz

Special Operations/Low Intensity Conflict (SOLIC) -

Professor Gordon McCormick

**Combat Systems Sciences and Technology**

**Curricular Officer - CDR Mark Polnaszek, USN**

**Academic Associate**

Combat Systems - Professor James Sanders



**Joint Command, Control, Communications, Computers & Intelligence (C4I)  
Systems**

**Curricular Officer - Lt Col Michael Mullady, USAF**

**Academic Associates**

Joint Command, Control, Communications, Computers, and Intelligence (C4I)

Systems - Professor Bill Kemple

Scientific and Technical Intelligence - Professor Dan C. Boger (Acting)

**Electronics and Computer Programs**

**Curricular Officer - CDR Michael F. Dulke, USN**

**Assistant Curricular Officer - LCDR David Floodeen, USN**

**Academic Associates**

International - Professor Rama Janaswamy

Non-Navy - Professor Ron J. Pieper

Navy - Professor R. Clark Robertson

Computer Science - Professor C. Thomas Wu

MOVES - Professor Mike Zyda

**National Security Affairs and Intelligence**

**Curricular Officer - CDR Denise McCallaCreary, USN**

**Academic Associates**

Area Studies - Professor Dan Moran

Strategic Planning and International Organizations & Negotiations -

Professor David Yost

Intelligence - CAPT Frank Kelly, USN

Regional Planning & Mgmt for International Defense (REPMID) -

Professor Roger Evered

Civil Military Relations - Professor Tom Bruneau

**Naval Mechanical Engineering**

**Curricular Officer - CDR William Tom McCoy, USN**

**Academic Associate**

Naval Engineering - Professor Young Shin

**Operations Research**

**Curricular Officer - CDR Mike Giancatarino, USN**

**Academic Associates**

Operations Analysis - Professor Alan Washburn

Operational Logistics - Professor David Schrady

Advanced Science (Applied Math) - Professor Beny Neta

**Assistant Dean of Students for**

**International Programs - Col H. Gary Roser, USMC (Ret)**

**Director, Civilian Institutions Programs - LTJG Frank Anderson, USN**

**MARCH 1999  
GRADUATION AWARDS**

**Monterey Council Navy League Award for Highest Academic Achievement - LT Scott D. Heller, USN**

Presented quarterly to a graduating USN, USMC, USCG, or NOAA student who has maintained an outstanding academic record as exhibited by academic achievement, thesis research, motivation, and community involvement.

**Naval Postgraduate School Superior Service Award -**

**LCDR Jeffrey P. Link, USN**

Presented to a graduating student who has demonstrated outstanding dedication to service while at NPS. The award is presented on the basis of superior contributions to the student body, professional community, and local Monterey area.

**Space and Naval Warfare Systems Command Award in Electronic Systems Engineering - LCDR Jeffrey P. Link, USN**

Presented quarterly to a graduating student for distinguished academic achievement in the advanced Electronic Systems Engineering program.

**Marine Corps Association Superior Service Award for Outstanding U.S. Marine Student - Maj Richard L. Diddams, USMC**

Presented quarterly to the graduating U.S. Marine Corps student in any curriculum for superior service. The award is presented on the basis of superior contributions to the student body, professional community, and local Monterey area.

**Naval Postgraduate School Outstanding Academic Achievement Award for Department of Defense Students - MAJ Robert M. Cornejo, USA**

Presented quarterly to a graduating USA, USAF, or Department of Defense civilian who has maintained an outstanding academic record as exhibited by academic achievement, thesis research, motivation, and community involvement.

**Naval Postgraduate School Outstanding Academic Achievement Award for International Students - Maj Hong Wee Tan, Singapore Navy**

Presented quarterly to a graduating military or civilian non-U.S. citizen student who has exhibited outstanding academic achievement, conducted notable thesis research, maintained motivation and a serious interest in the community, and who has interacted well with other students in the interest of international alliance.

**Armed Forces Communications and Electronics Association Award - LT Michael A. Conner, USN**

Presented to the officer graduate who has achieved academic excellence and best demonstrated professional qualities in one of the following programs: Electronics, Intelligence, Command, Control, and Communications.

**Military Operations Research Society Stephen A. Tisdale Graduate Research Award - LCDR James R. Townsend, USN**

Presented in recognition of outstanding achievement in graduate research directed toward improving military force utilization. The primary award criterion is research which leads to demonstration of or potential for increased operating effectiveness of currently available or near term assets.

**The Surface Navy Association's Award for Excellence In Surface Warfare Research - LCDR James R. Townsend, USN**

The award is presented quarterly to a graduating student from any curriculum whose thesis topic and quality of supporting research demonstrate the greatest potential for contribution to the Surface Navy.

**Chief of Naval Operations Award for Excellence in Operations Research - LT Mitzi A. Ellis, USN**

Presented semiannually to the outstanding USN or USMC graduate of the Operation Research program on the basis of academic achievement, experience tour performance, thesis work and demonstration of those qualities indicative of an outstanding military officer.

**Naval Undersea Warfare Center Division Newport Award for Excellence in Undersea Warfare Technology -**

**LT Antonio A. M. Abrantes, Portuguese Navy**

Presented at the March and September graduations to any NPS officer student who successfully completes a curricular program and a thesis that relates to one or more of the NSWC surface warfare product lines.

**Joint Assistant Secretary of Navy (Research, Development, and Acquisition) American Defense Preparedness Award for Excellence in Undersea Warfare Technology - ★ LT Robert Jezek, USN**

Presented annually at the March graduation ceremony to an outstanding officer student, who successfully completes any curricular program and a thesis, which demonstrates outstanding potential for application to undersea warfare technology.

**Chief of Naval Operations Undersea Warfare Award - LT Johnny Rey Martinez, USN**

Sponsored by the National Security Industrial Association and presented in recognition of distinguished academic achievement to the USW Curriculum graduate who has demonstrated outstanding academic performance and exhibited those qualities indicative of an outstanding military officer.

**Naval Sea Systems Command Award in Naval/Mechanical Engineering - LT Rajan Vaidyanathan, USN**

Presented in recognition of distinguished academic achievement in the Naval/Mechanical Engineering Program. The criteria for the award includes demonstrated academic excellence measured by marks attained, contents of thesis, and demonstrated leadership potential in Naval/Mechanical Engineering.

**Chief of Naval Operations Award for Academic Excellence in Manpower Systems Analysis - LT Elisabeth Stephens, USN**

Presented annually to an outstanding U.S. Naval Officer student or OP-01 sponsored civilian in the Manpower Systems Analysis curriculum. The award is based on an outstanding academic record, thesis quality and leadership ability.

**Systems Management Faculty Award for Excellence in Management - LT John Cherry, USN**

Presented to a graduating student in any of the Systems Management curricula. The award is based on exceptional academic ability and is presented only when the caliber of potential nominees is considered high enough to make a presentation of award.

**Rear Admiral Grace Murray Hopper Information Technology Management Award - LT John Cherry, USN**

Presented in recognition of excellence in Information Technology Management to the outstanding graduate in Information Technology, who has demonstrated outstanding academic performance, thesis quality and leadership ability.

**Rear Admiral Grace Murray Hopper Computer Science Award - LT William L. Joyner, USN**

Presented in recognition of excellence in Computer Science to the outstanding graduate in Computer Science, who has demonstrated outstanding academic performance, thesis quality and leadership ability.

**United States Naval Institute Award - LT Robert J. Engelhardt, USN**

Presented to an outstanding graduate in the National Security Affairs curricula whose Thesis is judged to be of the most importance to the U.S. Navy and meets the highest standards of excellence.

★ - Denotes students who are presented in absentia.

## **THE GRADUATES**

**DOCTOR OF PHILOSOPHY IN ELECTRICAL ENGINEERING**  
LCDR Charles W. Victory, USN

**DOCTOR OF PHILOSOPHY IN OPERATIONS RESEARCH**  
MAJ Eitan Israeli, Israeli Air Force

**MECHANICAL ENGINEER**  
LT Adam Wayne Masten, USN

**MASTER OF ARTS IN NATIONAL SECURITY AFFAIRS**  
MAJ Robert M. Cornejo, USA  
CPT Alicia G. Weed, USA  
LCDR Mark L. Bowlin, USN (With Distinction)  
LT Robert J. Engelhardt, USN  
Maj Kenneth E. Enney, Jr., USMC

**MASTER OF SCIENCE IN ELECTRICAL ENGINEERING**  
LTJG Ünal Aktaş, Turkish Navy  
LTJG Kadir Akyol, Turkish Navy  
LT Antonio Adolfo Mendes Abrantes, Portuguese Navy  
LT Michael A. Conner, USN  
LTJG Adem Durak, Turkish Navy (With Distinction)  
LT Darren S. Harvey, USN  
LCDR Jeffrey P. Link, USN  
LT Jonathan E. Moore, USN  
LT Herbert R. Race, Jr., USN  
LT Daryl G. Steenman, USN

**MASTER OF SCIENCE IN MECHANICAL ENGINEERING**  
LT Thomas J. Anderson, USN  
LT Linda E. Craugh, USN  
LT Christopher P. DeGregory, USN  
LT Adam Wayne Masten, USN  
LT Cliff P. Pearce, USN  
LT Roland C. Roeder, USN  
LT Joseph M. Tuite, USN  
LT Rajan Vaidyanathan, USN (With Distinction)

**MASTER OF SCIENCE IN AERONAUTICAL ENGINEERING**  
LT Gary L. Hackaday, USN  
LT Michael J. Harman, USN  
LT David A. Heathorn, USN  
LT Salvatore P. Rafanello, USN

**MASTER OF SCIENCE IN SPACE SYSTEMS OPERATIONS**  
LT Daniel D. Sunvold, USN

## **MASTER OF SCIENCE IN METEOROLOGY AND PHYSICAL OCEANOGRAPHY**

★LT Richard K. Constantian, Jr., USN  
LT Michael R. Rocheleau, USN  
★LCDR Robert J. Stanton, USN  
LT Victoria L. Taber, USN

## **MASTER OF SCIENCE IN METEOROLOGY**

LT Raymond R. Delgado III, USN

## **MASTER OF SCIENCE IN PHYSICAL OCEANOGRAPHY**

LT Raymond R. Delgado III, USN  
LT Johnny Rey Martinez, USN  
LT Nick Anthony Sarap, Jr., USN  
LT Jason Alexander Vogt, USN

## **MASTER OF SCIENCE IN INFORMATION TECHNOLOGY MANAGEMENT**

CPT Eric F. Zellars, USA  
LTJG Ferit Tolga Ayan, Turkish Navy  
CDR Dennis J. Brophy, USN  
LCDR Andrew R. Cameron, USN  
LT Cameron P. Carney, USN  
LT John D. Cherry, USN (With Distinction)  
LT Tony L. Ellis, USN  
LT James D. Fowler, USN  
LT Stephen E. Majewski, USN  
LCDR Paul G. Matheson, USN  
LCDR James D. O'Leary, USN  
LT Frank R. Steinbach, USN  
LT Cornell I. Perry, USCG  
MAJ Amrullah Asnawi, Indonesian Air Force  
LtCol Oleksiy M. Ilyashov, Ukrainian Air Force  
MAJ Asep Sumaruddin, Indonesian Air Force  
Ms. Janet E. Scruggs, Department of Defense

## **MASTER OF SCIENCE IN MANAGEMENT**

CPT Scott C. Armstrong, USA  
CPT Sharon L. Brown, USA  
MAJ Karl Stuart Delaney, Australian Army  
CPT Jeffrey D. From, USA  
CPT John W. Lewis, USA  
CPT Mark D. Luker, USA  
LT JoAnne T. Cunningham, USN  
LT Shane P. Daniels, USN  
LCDR R. Nicholas Dodge, USN  
LCDR Gail A. Emow, USN  
LT Susan R. Geis, USN  
LT Beulah I. Henderson, USN

LT Angela Hively, USN  
 LT Shaun A. Hillis, USN  
 LT E. Stewart Hunter, USN (With Distinction)  
 LCDR Suzanne K. Jarosz, USN  
 LCDR Voresa E. Jones, USN  
 LCDR Allen W. Landers, USN  
 LCDR Christopher A. Lotzia, USN  
 LT Cord H. Luby, USN  
 LT Michael D. Makee, USN  
 LT Bruce A. Martin, USN  
 LT Michelle A. McCloskey, USN  
 LCDR William C. Nash, USN  
 LCDR Richard T. Ouellette, USN  
 CDR Reinaldo Segovia Tovar, Venezuelan Navy  
 LT Elisabeth S. Stephens, USN (With Distinction)  
 LT Richard G. Walker, USN  
 LCDR Robert D. Ward, USN  
 LtCol Scott R. Adams, USMC (With Distinction)  
 Maj Francis J. Blankemeyer, Jr., USMC  
 Maj Richard L. Diddams, Jr., USMC  
 Capt Joey E. Klinger, USMC

#### **MASTER OF SCIENCE IN OPERATIONS RESEARCH**

CPT Norbert J. Schrepf, German Army  
 1LT Uğur Ziya Yıldırım, Turkish Army  
 LT Christopher J. Bodine, USN  
 LT Sarawoot Chiyangcabut, Royal Thai Navy  
 LT Nicole L. DeRamus, USN  
 LT Mitzi A. Ellis, USN  
 LCDR Gregory D. Gjulich, USN  
 LCDR Philip A. Gonda, USN  
 LT Terence A. Hoeft, USN  
 LTJG Oray Kulaç, Turkish Navy  
 LT Piya Limsakul, Royal Thai Navy  
 LT Patrick V. Mack, USN  
 LT Paul E. Martin, USN  
 LT Phillip E. Pournelle, USN  
 LT James H. Rowland, USN  
 LT M. Scott Sciretta, USN  
 LCDR Curtis D. Teeters, USN  
 LCDR James R. Townsend, USN  
 LTJG Bulent-Turan, Turkish Navy  
 LCDR John T. Vargo, USN  
 LT Craig M. Wevley, USN  
 Capt Matthew J. Kolich, USMC  
 Mr. Khoo Wai Gea, Singapore (With Distinction)

#### **MASTER OF SCIENCE IN ENGINEERING ACOUSTICS**

LT Antonio Adolfo Mendes Abrantes, Portuguese Navy

#### **MASTER OF SCIENCE IN COMPUTER SCIENCE**

1LT Murat Akbay, Turkish Army  
 CPT Mark L. Merrell, USA  
 MAJ Julian R. Williams, Jr., USA  
 LT Susan Bryer-Joyner, USN  
 LT Paul F. Carff, USN  
 LTJG İldeniz Duman, Turkish Navy  
 LTJG İker Duranlıoğlu, Turkish Navy  
 LT Todd A. Gagnon, USN  
 LT Jonathan S. Held, USN (With Distinction)  
 LT Scott D. Heller, USN (With Distinction)  
 LT William L. Joyner, USN (With Distinction)  
 LTJG Namik Kaplan, Turkish Navy  
 LT Steven C. Lewis, USN  
 CDR Fred J. Mingo, Jr., USNR  
 LT Karl R. Tenney, USN  
 LTJG Ümit Y. Usta, Turkish Navy  
 Maj Bradley R. Eads, USMC  
 Maj Robert B. Peterman, USMC

#### **MASTER OF SCIENCE IN SYSTEMS ENGINEERING**

★MAJ Lee, Tin Hua, Singapore Army  
 MAJ Tan.Hong Wee, Singapore Navy (With Distinction)

#### **MODELING, VIRTUAL ENVIRONMENTS & SIMULATIONS**

MAJ Mark A. Boyd, USA  
 LT Todd A. Gagnon, USN

#### **MASTER OF SCIENCE IN PHYSICS**

MAJ Chee Yong, Tan, Singapore Navy

★ - Denotes students who are presented in absentia.

**MARCH 1999  
THESIS ADVISORS**

Prof Brij N. Agrawal	Asst Prof Kevin R. Gue	Rosalie L. Pacula
LCDR Timothy Anderson, USN	Prof Tri T. Ha	Assoc Prof Jeffrey Paduan
Assoc Prof Robert W. Ashton	Sen Lecturer William J. Haga	Rsch Asst Prof Gary Porter
Lecturer Eric Bachmann	*CDR Ted Hleba	Asst Prof Pierre-Marie Poulain
CDR Craig Baldwin, USN (Ret)	Assoc Prof Debra Hensgen	*Prof Robert R. Read
Vstg Instr Michael Barletta	*Assoc Prof Thomas Herbers	Adj Res Assoc Prof Benjamin Roberts
*Vstg Asst Prof Bob Barrios-Choplin	*Assoc Prof Greg Hildebrandt	*COL Tjark Roesler
Assoc Prof Mary L. Batteen	Assoc Prof Ralph Hippenstiel	Prof Alan Ross
Prof Valdis Berzins	Assoc Prof Garth Hobson	Dist Prof T. Sarpkaya
LCDR Doug Brinkley, USN (Ret)	Asst Prof Susan Hovevar	*CDR John K. Schmidt, USN
Sen Lecturer Michael Boudreau	Senior Lecturer Thomas H. Holvik	*Prof Norman Schneidewind
Prof Thomas C. Bruneau	*Asst Prof Cynthia Irvine	*Assoc Prof Man-Tak Shing
Lecturer Rex Buddenberg	Prof Rama Janaswamy	*LCDR Cary Simon, USN
*Vstg Asst Prof Arnie Buss	Prof David Jenn	(Ret)
Prof Jon Butler	LTC Terry Johnson, USA (Ret)	Asst Prof Kevin B. Smith
*Asst Prof Sam E. Buttrey	Prof Yutaka Kanayama	Asst Prof Keith Snider
Asst Prof Mary P. Callahan	*Assoc Prof Keebom Kang	Asst Prof Mark Stone
Prof Charles N. Calvano	Prof Matthew D. Kelleher	*Prof James G. Taylor
Prof Ching-Sang Chiu	Assoc Prof Taylor Kidd	Prof Charles W. Therrien
Assoc Prof Peter C. Chu	Labor Economist Kathy M. Kocher	Assoc Prof Gail Fann-Thomas
Prof Anthony Ciavarelli	*Asst Prof William Krebs	Prof George W. Thomas
Asst Prof John G. Ciezki	Assoc Prof Young W. Kwon	Assoc Prof Murall Tummala
Assoc Prof David D. Cleary	*Assoc Prof David Lamm	Prof Carlyle H. Wash
*Asst Prof Michael D. Cook	Asst Prof Andres Larraza	Prof Alan R. Washburn
Prof Alfred Cooper	Sen Lecturer Fred Levien	*Assoc Prof Lyn R. Whitaker
*Sen Lecturer Alice Crawford	*Vstg Assoc Prof Ira A. Lewis	Assoc Prof Jim J. Wirtz
*Asst Prof Rudy Darken	Prof Herschel H. Loomis, Jr.	*Prof R. Kevin Wood
Prof Dan Dolk	Prof Luqi	*Prof Robert Wood
*Assoc Prof Richard Doyle	Sen Lecturer Bard Mansager	Assoc Prof C. Thomas Wu
Prof Philip A. Durkee	COL Dave Matthews, USA (Ret.)	Asst Prof Geoffrey Xie
*LCDR Chris Eagle, USN	Prof Terry McNelley	Prof David S. Yost
*Vstg Asst Prof Leroy Edwards	*Prof Robert McGhee	Assoc Prof Xioping Yun
*Assoc Prof Mark J. Eitelberg	*Prof Stephen Mehay	*Prof Michael Zyda
Prof James Emery	*Assoc Prof Knox T. Millsaps, Jr.	
Assoc Prof Monique Fargues	Prof Michael A. Morgan	
*Vstg Asst Prof Jane Feltner	Assoc Prof Maria Moyano-Rasmussen	
*Lecturer Julie Filizetti	Maj William S. Murphy, USA	
Assoc Prof Douglas J. Fouts	*LTC Brad Naegle, USA	
Assoc Prof Bill Gates	*Asst Prof Mark E. Nissen	
Asst Prof Ashok Gopinath	*Assoc Prof John Osmundson	
Rsch Assoc Prof Joshua H. Gordis		
Vstg Assoc Prof Lynne Grewe		

(\*) Denotes Advised multiple Theses

The cap and gown and colorful hood so prominent in commencement ceremonies resemble, to some extent, articles of dress worn by church and university dignitaries in the Middle Ages. The cap and gown indicate that the wearer is a member of a university or college. The hood shows the degree the wearer holds.

The gown for the bachelor's degree has pointed sleeves and is designed to be worn open or closed. The doctor's gown has bell-shaped sleeves and may be worn open or closed. Down the front, the doctor's gown has a facing of velvet and three bars of the same material on each sleeve. The facing and bars may be either black or the color distinctive of the subject to which the degree pertains. The cap is worn for all degrees; the doctor may wear a golden tassel.

Hoods are normally black with a colorful lining rolled outward. Bachelor's hoods are three feet long, master's three and one half feet, and doctor's four feet.

For all academic purposes, including trimmings for the doctor's gown, edging of hoods, and tassels of caps, the colors associated with the different subjects are as follows:

Agriculture	Maize
Arts, Letters, and Humanities	White
Business, Commerce	Drab
Education	Light Blue
Engineering	Orange
Forestry	Russet
Home Economics	Maroon
Law	Purple
Library Science	Lemon
Music	Pink
Pharmacy	Olive Green
Philosophy	Dark Blue
Physical Education	Sage Green
Science	Golden Yellow
Theology	Scarlet
Veterinary Science	Gray

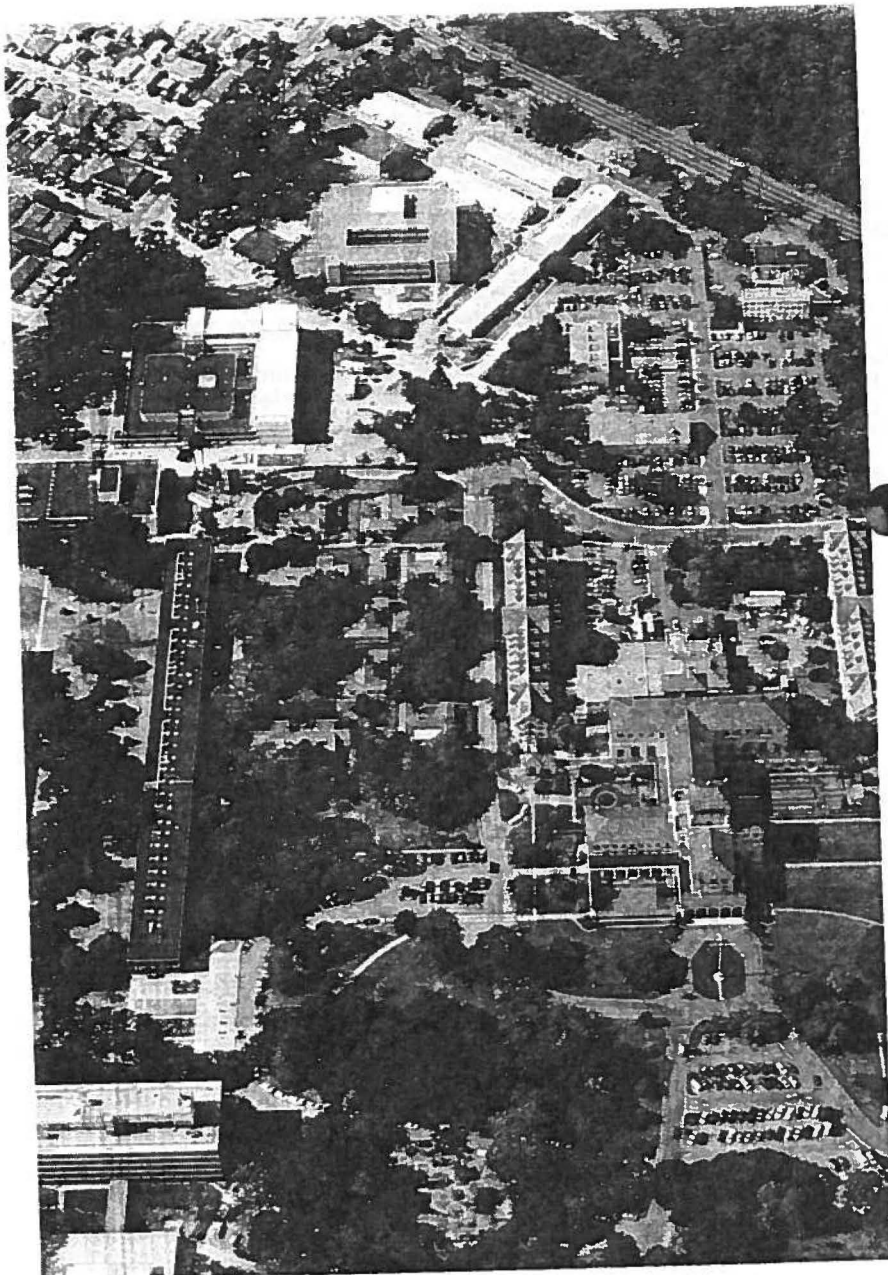
**UNIVERSITY GRANTING DEGREE**

**LINING**

**CHEVRON**

Stanford University	Cardinal	
Purdue University	Black	Gold
University of Kansas	Purple	White
University of California	Gold	Yale Blue
University of Michigan	Maize	Blue
University of Southern California	Gold	Cardinal
University of Munich, Germany	White	Moonglow/White
Columbia University	Light Blue	White
Duke University	Royal Blue	White
Harvard University	Crimson	
Yale University	Blue	
University of Denver	Cardinal	Gold





## THE NAVAL POSTGRADUATE SCHOOL

The Naval Postgraduate School opened in Annapolis in 1909 and transferred to the Monterey Peninsula in 1952. Since its beginning, the School has conferred over 22,000 degrees. The typical student is an unrestricted line U.S. Naval Officer who has completed an operational tour. Students are engaged in intensive studies leading to a master's degree in one of 46 different curricula split between 10 academic departments and 4 academic groups. Each curriculum is tailored to provide the academic requirements for an accredited advanced degree and meet the additional educational skill requirements necessary for subsequent assignments. Officers are obliged to remain in service for about four years after they complete their schooling.

Students arrive every quarter, with the heaviest influx entering in January and July. Of the approximately 1300 students now enrolled, about 75 percent are in the United States Navy and Marine Corps, 15 percent are from other United States services, and the remaining 10 percent are from allied countries.

Many of the 350 professors at the School are internationally recognized in their respective fields. In order to keep abreast in their areas of expertise, faculty members conduct research beneficial to many governmental agencies. Over 27 million dollars of research is conducted or administered annually at the School.

Guests are invited to tour the school grounds and to visit historic Herrman Hall.



